BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 2000000.00

Name of Work: Detailed Estimate for the work of Construction of CC road at Allalasandra cross roads in ward No- 04.

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3) SR 2016-17	cum							
	for RCC drain at allalasandra Anjeneya swamy temple and sorrounding areas		2	30.00	1.00	1.00	60.00		
	for CC road at allalasandra Anjeneya swamy temple and sorrounding areas		1	90.00	3.00	0.30	81.00		
			1	50.00	3.00	0.30	45.00		
			1	65.00	3.00	0.30	58.50		
			1	25.00	3.00	0.30	22.50		
			1	28.00	3.00	0.30	25.20		
			1	22.00	3.00	0.30	19.80		
			1	30.00	2.50	0.30	22.50		
	culvert		1	6.00	1.50	1.00	9.00		
	desilting of existing drain at Allalasandra		2	150.00	0.60	0.40	72.00		
			2	20.00	0.60	0.60	14.40		
			1	15.00	0.60	0.45	4.05		
			1	20.00	0.60	0.40	4.80		
							438.75	200.34	87899.00
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
			Vide Item No. 1				438.75	85.65	37578.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 6%	4.85							
	Total	85.65							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2016-17	Cum							
	for RCC drain		2	30.00	1.00	0.15	9.00		
	for CC road		1	90.00	3.00	0.15	40.50		
			1	50.00	3.00	0.15	22.50		
			1	65.00	3.00	0.15	29.25		
			1	25.00	3.00	0.15	11.25		
			1	28.00	3.00	0.10	8.40		
			1	22.00	3.00	0.15	9.90		
			1	30.00	2.50	0.15	11.25		
			1	6.00	1.20	0.10	0.72		
	Basic Rate	4867.00					142.77	5159.02	736553.00
	Area Weightage @ 6%	292.02							
	Total	5159.02							
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for RCC drain bed		2	30.00	0.90	0.15	8.10		
	side walls	2x2	4	30.00	0.15	0.75	13.50		
	for culvert		1	6.00	1.20	0.23	1.66		
	side walls	2x1	2	6.00	0.23	0.90	2.48		
	deck slab		1	6.00	1.20	0.23	1.66		
							27.40	**6371.66**	**174558.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
5	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	**Quintal**							
	for RCC drain 70 kg/cum		0.700	**21.60**			15.12		
	for culvert 90 kg/cum		0.900	**5.80**			5.22		
				27.40			**20.34**	**5605.00**	**113986.00**
	Basic Rate	5605.00							
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2016-17	**sqm**							
	for rcc drain	2x4	4	30.00		0.75	90.00		
	culvert	1x4	4	6.00		0.90	21.60		
	deck slab		1	6.00	0.60		3.60		
		1x2	2	6.00		0.23	2.76		
		1x2	2	1.20		0.23	0.55		
	Basic Rate	293.00					**118.51**	**310.58**	**36807.00**
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
7	RCC Precast covering slab for drain (10cm thick)	**sqm**							
			2	31.00	0.90		55.80		
	Rate Approved by BBMP	**2100.00**					**55.80**	**2100.00**	**117180.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing,), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum), , No. 174/ Item No. 22.6.1 SR 2016-17	Cum							
	for cc road		1	90.00	3.00	0.10	27.00		
			1	50.00	3.00	0.10	15.00		
			1	65.00	3.00	0.10	19.50		
			1	25.00	3.00	0.10	7.50		
			1	28.00	3.00	0.10	8.40		
			1	22.00	3.00	0.10	6.60		
			1	30.00	2.50	0.10	7.50		
							91.50	**6217.96**	**568943.00**
	Basic Rate	5866.00							
	Area Weightage @ 6%	351.96							
	Total	**6217.96**							
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 177 Item No 22.7 SR 2016-17	Sqm							
			1	90.00	3.00		270.00		
			1	50.00	3.00		150.00		
			1	65.00	3.00		195.00		
			1	25.00	3.00		75.00		
			1	28.00	3.00		84.00		
			1	22.00	3.00		66.00		
			1	30.00	2.50		75.00		
							915.00	**95.40**	**87291.00**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
10	Providing groove cutting for width of mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 178 SR 2016-17	Rmt							
	for cc road		30	3.00			90.00		
			17	3.00			51.00		
			22	3.00			66.00		
			8	3.00			24.00		
			9	3.00			27.00		
			7	3.00			21.00		
			10	2.50			25.00		
							304.00	121.90	37058.00
	Basic Rate	115.00							
	Area Weightage @ 6%	6.90							
	Total	121.90							
11	Miscellaneous charges								
									2147.00
								Total	2000000.00

(Rupees twenty Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramareddy AR
Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangaloro-64

Executive Engineer
Yelahanka Division
Bangaloro-64

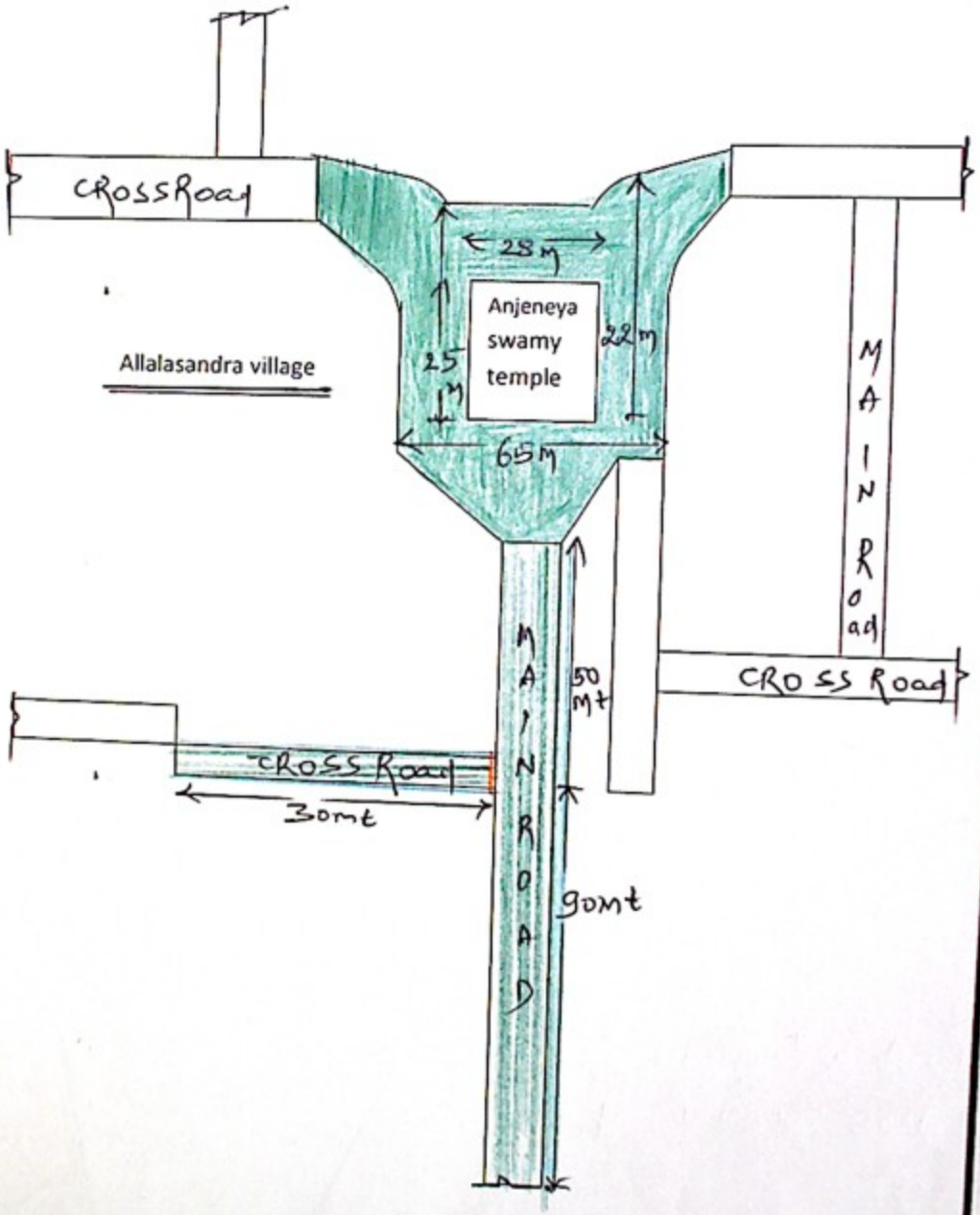
Administrative Approval
Accorded For 20.00 lakh R.
Head of A/C P.1771
CER NO :203A Dt:16.2.17

TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs 20.00
Rupees Twenty Lakhs only
Under P-1771-2016.17
Registered as CE ( ) No. 9
Subject to conditions contained
enclosed memo EE ( ) No.
Dt.
EE/TC/101/16.17
Dated 16.2.2017 Rs. 20.00 lo

Executive Engineer

NAME OF WORK:- 'CONSTRUCTION OF CC ROAD @ ALLASANDRA CROSS ROADS IN W NO 04



INDEX: Proposed.
RCC Drain
CC Road
Culvert.

A.E. Ramangeerh

A.E.E.